PTO/SB/08a (08-03)
Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE for Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Unde	er Vie Paperwork Reduction Act of 199	5, no pe	ersons are required to		tion unless it contains a valid OMB control n	umber.	
Sub	stitute to CPANAMAVPTO		•	Complete if Known			
				Application Number	09/833.884		
11	NFORMATION DIS	CLC	SURE	Filing Date	04/12/2001		
S	TATEMENT BY A	PPL	CANT	First Named Inventor	Fumio Suzuki		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Art Unit	2838 2187		
	(Use as many sheets as ne	cessary	J	Examiner Name	Luk, Lawrence		
eet	1	of	3	Attorney Docket Number	180640		

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (I known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
th		us. 5,313,642	05/17/1994	Seigel	395/75
14		<sup>US-</sup> 5,375,051	12/20/1994	Decker et al.	363/49
Kh		<sup>US-</sup> 5,870,615	02/09/1999	Bar-On et al.	395/750
14		<sup>US-</sup> 5,920,177	07/06/1999	G. Davis	320/114
H		<sup>US-</sup> 6,211,649 B1	04/03/2001	N. Matsuda	320/115
		US-			
<del></del>		US-			
	_	US-			
		US-			<del></del>
		US-	<del></del>		

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Fore	ign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines.	Té
Initials*	No.1 Country Code 3-Number 4-Kind Code 5 (if known)	MM-DD-YYYY	Applicant of-Cited Document	Where Relevant Passages or Relevant Figures Appear			
<i>*L</i>		JP	6-30528	02/04/1994	Minoru et al.	HO23 7/00	
ft		JP	10-512378	11/24/1998	Bar-On et al.	406F 1/00	
M		JP	10201127 (Abstract)	07/31/1998	T. Noboru	H023 7/34	
Lr		JP	20000 20176 (Abstract)	01/21/20000	S. Katsuhito	G06F 1/26	
1L		JР	20000 20175 (Abstract)	01/21/2000	S. Junichiro	406F 1/26	

Examiner			Date	
		$\boldsymbol{\rho}$	1	9/ 1/ -
Signature	Lawrence	to ule	Considered	7/28/05
	/(00007000		1	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ct of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute **Application Number** 09/833 884 Filing Date INFORMATION DISCLOSURE 04/12/2001 First Named Inventor STATEMENT BY APPLICANT Fumio Suzuki Art Unit 2828 2107 **Examiner Name** (Use as many sheets as necessary) <u>.uk. Lawrence</u>

Sheet

Attorney Docket Number

180640

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No.1		MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2 (# known)</sup>			Figures Appear
		US-			
		US-			•
		US			
		US-			· · · · · · · · · · · · · · · · · · ·
		US-			
		US-			
		US-			
		US-			:
		US-			·. ·
		US-			
·········	İ	US-			
		U\$-			
	1	US-			

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite No.1	Foreign	Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines.	ΨĒ.		
Initials*		Country Code 3-Number 4-Kind Code 5 (if known)		MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	,		
4		EP	0 435 317 A2	07/03/1991	Kasashima et al.	14027 7/10			
14		EP	0 887 991 A2	12/30/1998	K. Kondo et al.	HO4N 1/00	<u> </u>		
LL		EP	0 889 659 A2	01/07/1999	H. Ushiroda	HO4Q 7/32			
LL		EP	1 085 400 A2	03/21/2001	Bork et al.	G06F 1/26			
ph		DE	200 04 691 U1	08/03/2000	Yang et al.	H 035 7/00			

Examiner Signature	Lawrence	Rule	•	Date Considered	9/28/05	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent-document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. § Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute 10 form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known Application Number 09/833,884 Filing Date 04/12/2001 First Named Inventor Fumio Suzuki Art Unit 2838 2187 **Examiner Name** Luk, Lawrence Attorney Docket Number 180640

(Use as many sheets as necessary) Sheet of

U. S. PATENT DOCUMENTS Document Number Examiner Cite **Publication Date** Name of Patentee or Pages, Columns, Lines, Where Initials\* MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code<sup>2</sup> (Fknown) Figures Appear US-US. US-US-US-US-US. US-US-US-US-US-US-US-US-US-US-US-

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign	Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.'	No.' Country Code <sup>3</sup> -Number <sup>4-</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	76	
hh		wo	00/19364	04/06/2000	B. Miller	GOGK 19/07	
LL		wo	96/21900 (Abstract)	07/18/1996	Bar-On et al.	G06F 13/00	
The		GB	2 362 520 A	11/21/2001	T. Okamura	HOZJ 7/00	
H		EP 0	889 659 A3	01/12/2000	H. Ushiroda	H048 7/32	
				30, 5000			

Examiner	4	Date	
		1 00.0	- 4
Signature		Considered	
Signature	hawrence Kule	Considered	7/28/63
•	Mawrence Tem	.1	100/00

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. § Applicant is to place a check mark here if English language

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO Application Number 09/833.884 Filing Date INFORMATION DISCLOSURE 04/12/2001 First Named Inventor STATEMENT BY APPLICANT Fumio Suzuki Art Unit 2<del>838</del> 2187 **Examiner Name** Luk, Lawrence W (Use as many sheets as necessary Attorney Docket Number | 180640 Sheet

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (Il known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
14		US- 5834922	11/10/1998	Ikawa et al.	320/136	
		US-				
		US-				
		US-				
		US-				
		US-	· · · · · · · · · · · · · · · · · · ·		···	
		US-				
		US-				
	l	US-	<del></del>		·	
<del></del>		US-	<del></del>			
		US-				
		US-				
		US-			· · · · · · · · · · · · · · · · · · ·	
		US-				
		US-				
		US-				
	<del> </del>	US-				
	-	US-		<u> </u>		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code 3-Number 4-Kind Code 5 (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
,						

Examiner Signature	Laurence	hole	Date Considered	9/28/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.